

Cotransfection of 293Cre cells with pBHGlox $\Delta$ E1,3 and a "Lox" shuttle plasmid for generation of Ad expression vectors

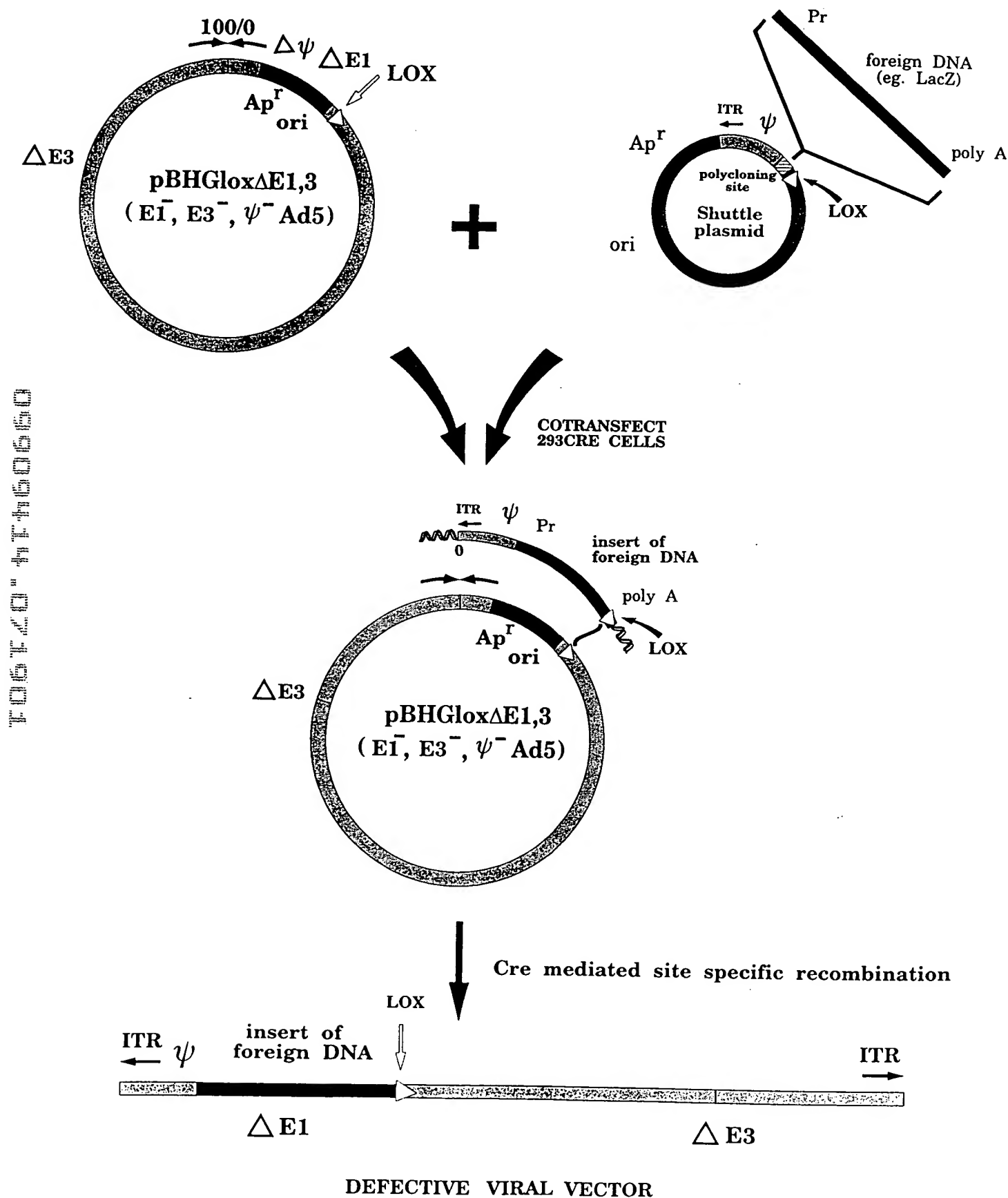


Figure 1

# Cotransfection of 293Cre cells with pBHGloxΔE1,3 and a "lox" shuttle plasmid for generation of Ad expression vectors

FO6T20"4T460660

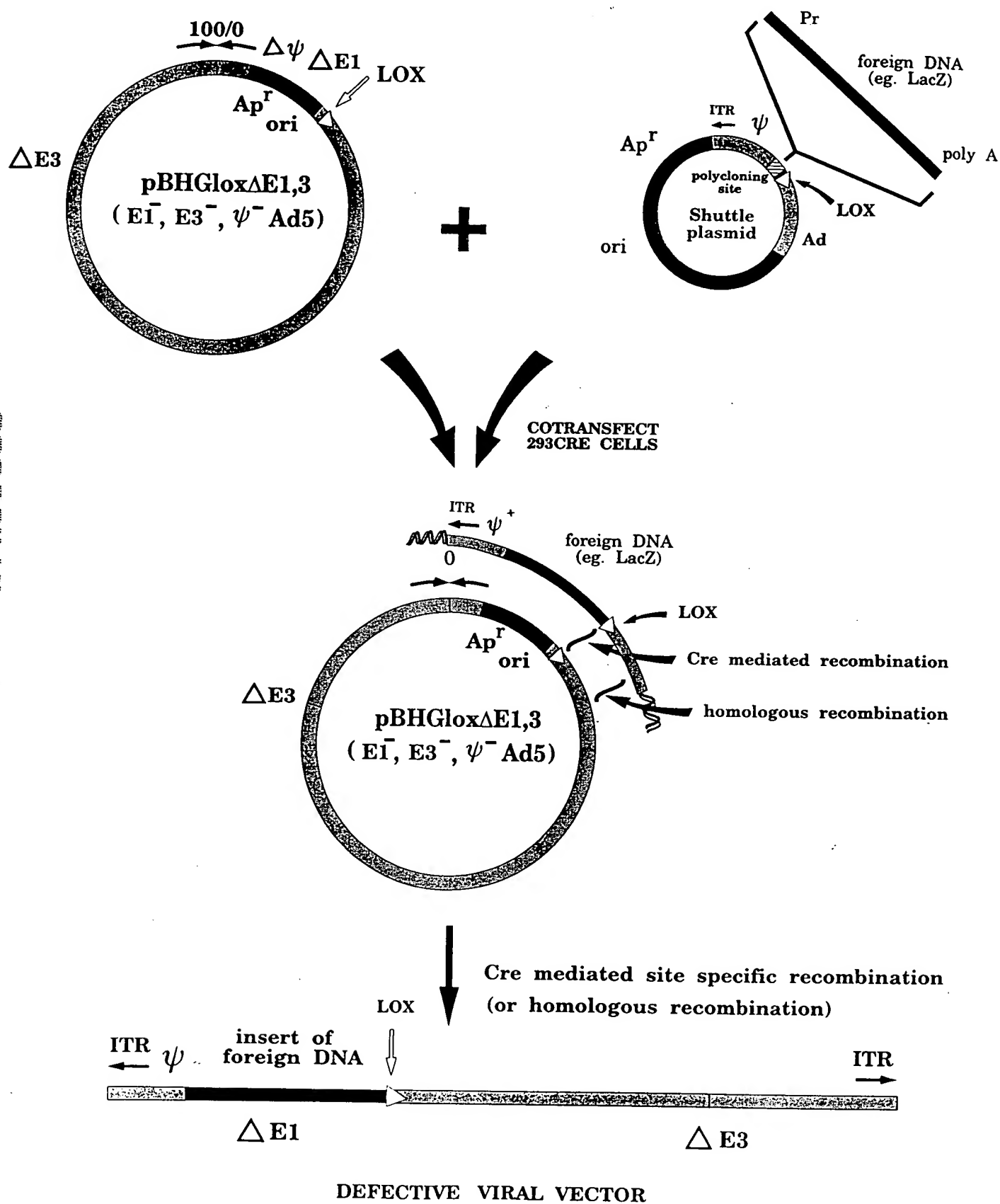


Figure 2

1. The first step is to identify the key components of the system. This involves understanding the hardware and software involved, as well as the data flow and the roles of the various components.

SEQ ID NO: 7 (AB14680)

5' TGACAATAACTTCGTATAGCATACATTATACGAAGTTATATCGATG 3'

3' GTTATTGAAGCATATCGTATGTAATATGCTTCAATATAGCTACACT 5'

Blp I overhang

Blp I overhang

Blp I

# CONSTRUCTION OF A CIRCULAR GENOMIC PLASMID FOR Ad VECTOR RESCUE USING THE Cre/ loxP SYSTEM

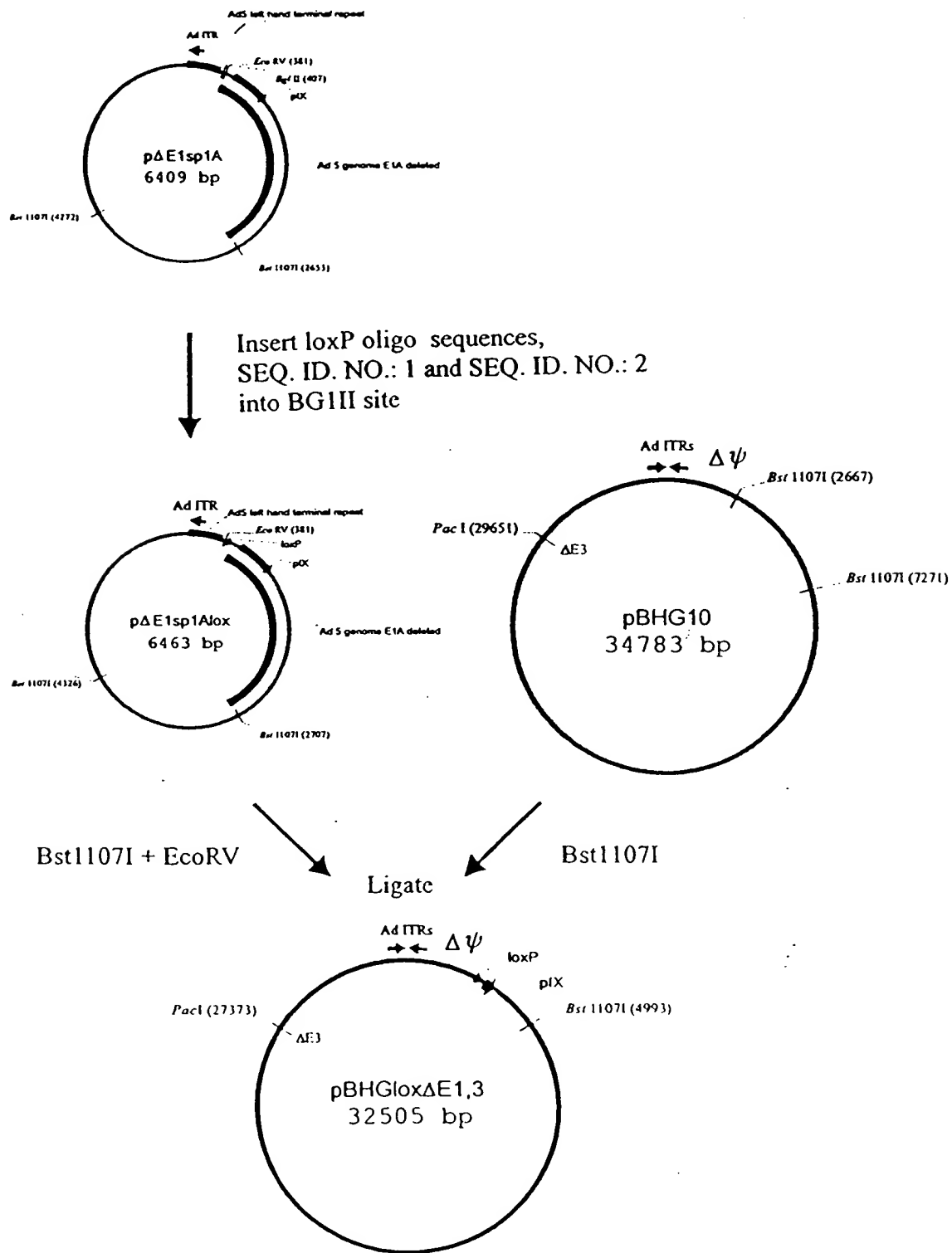


Figure 4A

# CONSTRUCTION OF pBHGD1Plox

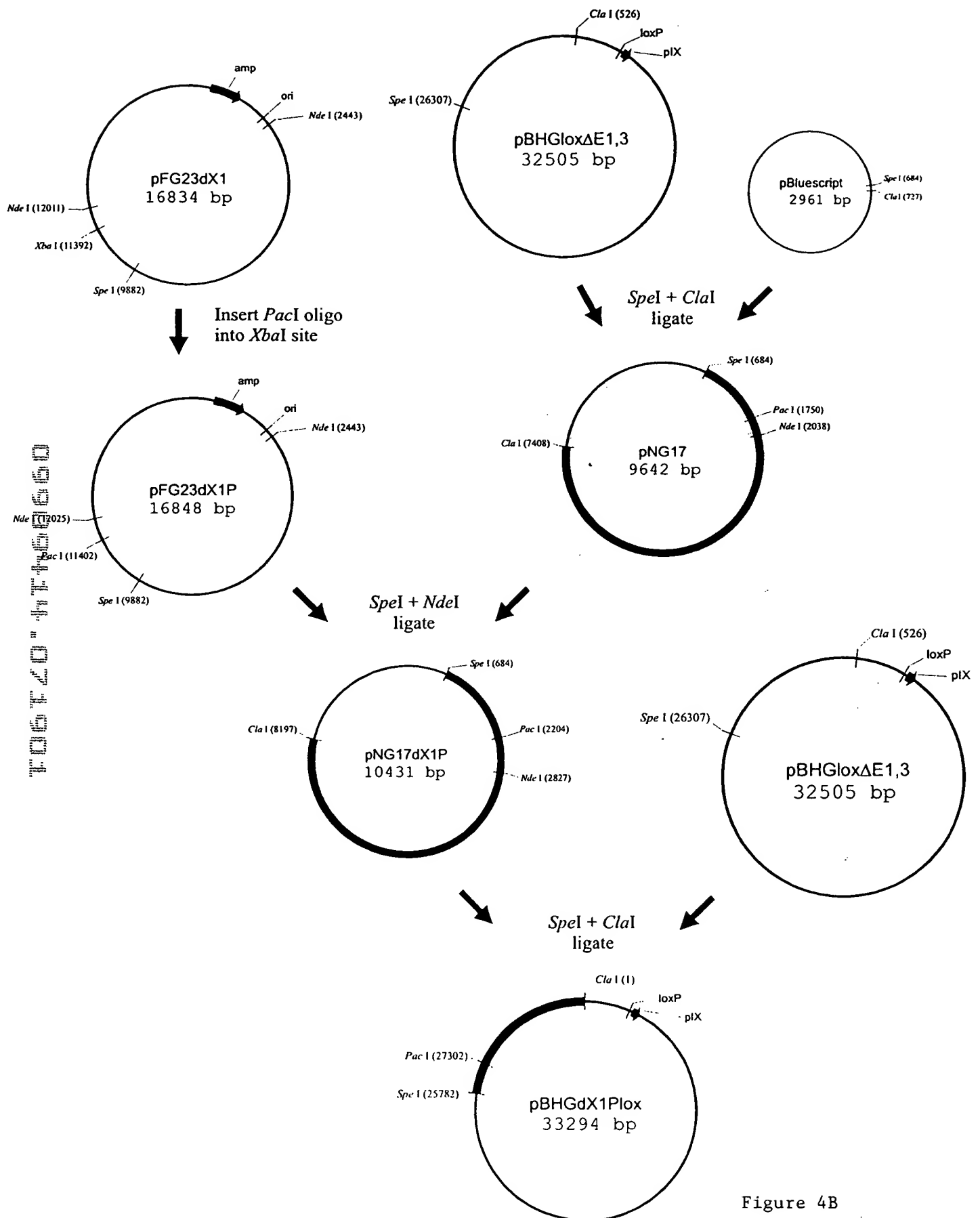
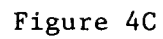


Figure 4B

[illegible]

# CONSTRUCTION OF pΔE1SP1A & pΔE1SP1B loxP PLASMIDS FOR RESCUE OF FOREIGN DNA

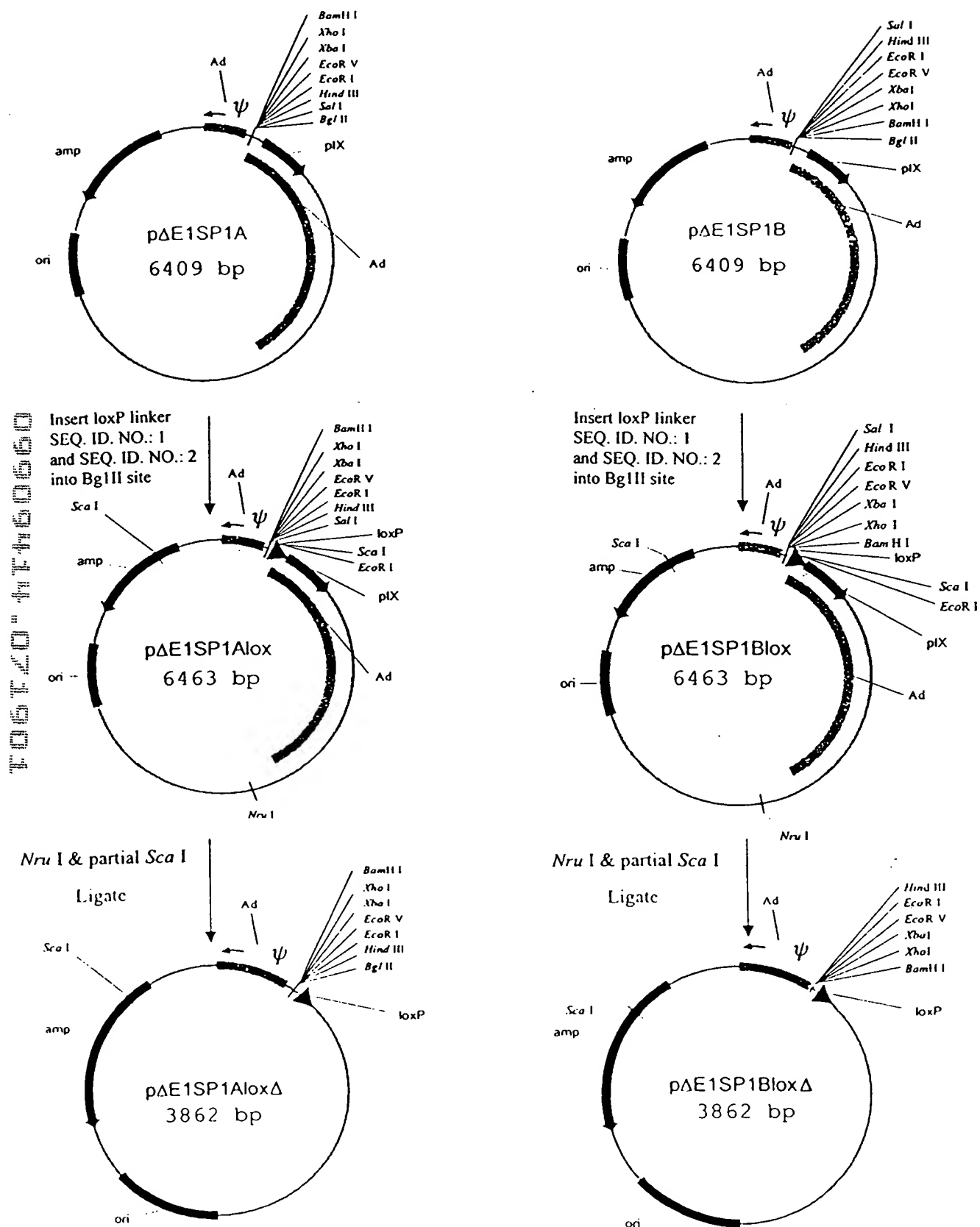


Figure 5





# CONSTRUCTION OF A SHUTTLE PLASMID CONTAINING A pUC DERIVED ORIGIN

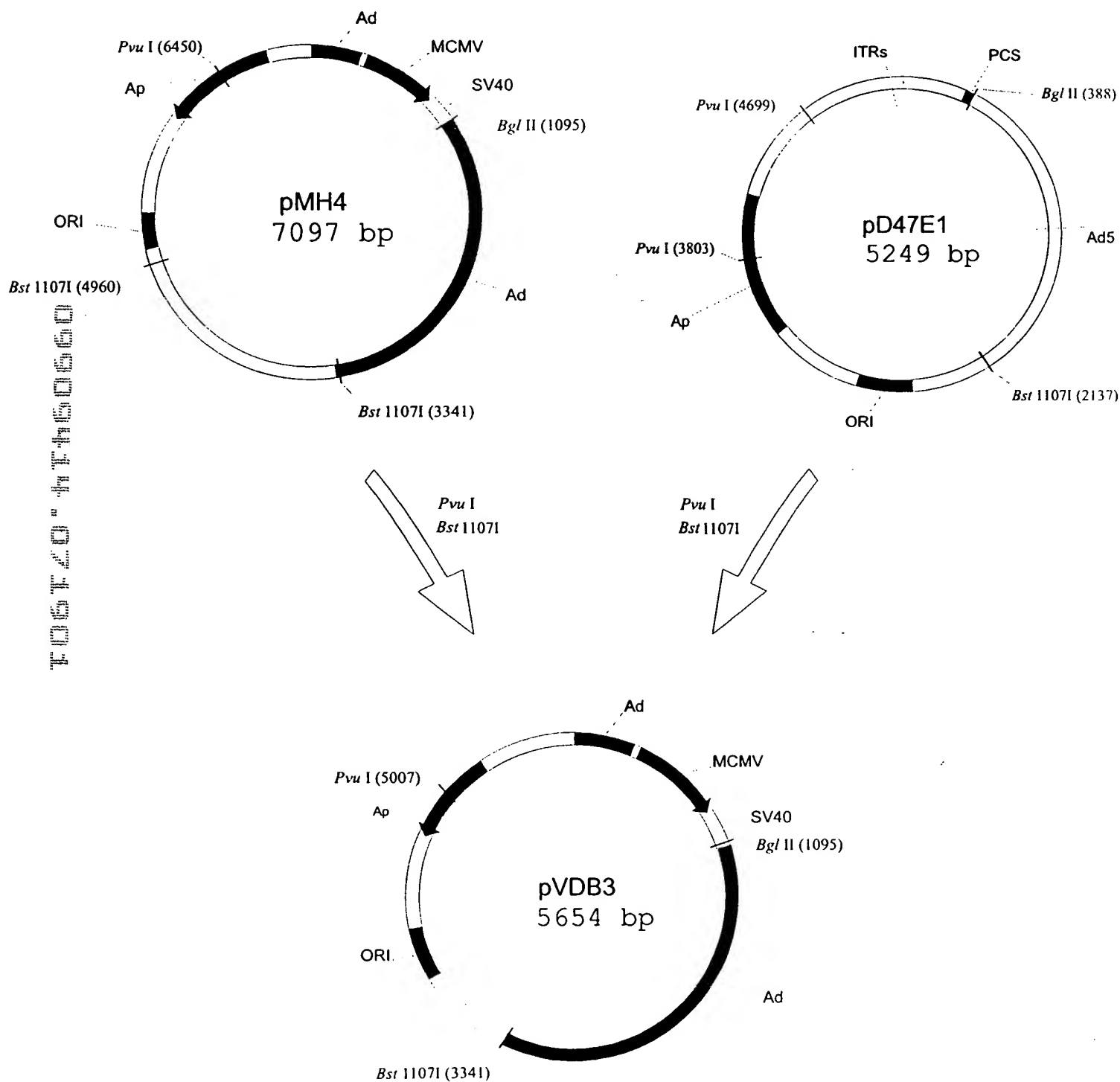


Figure 6B

# CONSTRUCTION OF HCMV loxP PLASMIDS FOR RESCUE OF EXPRESSION CASSETTES

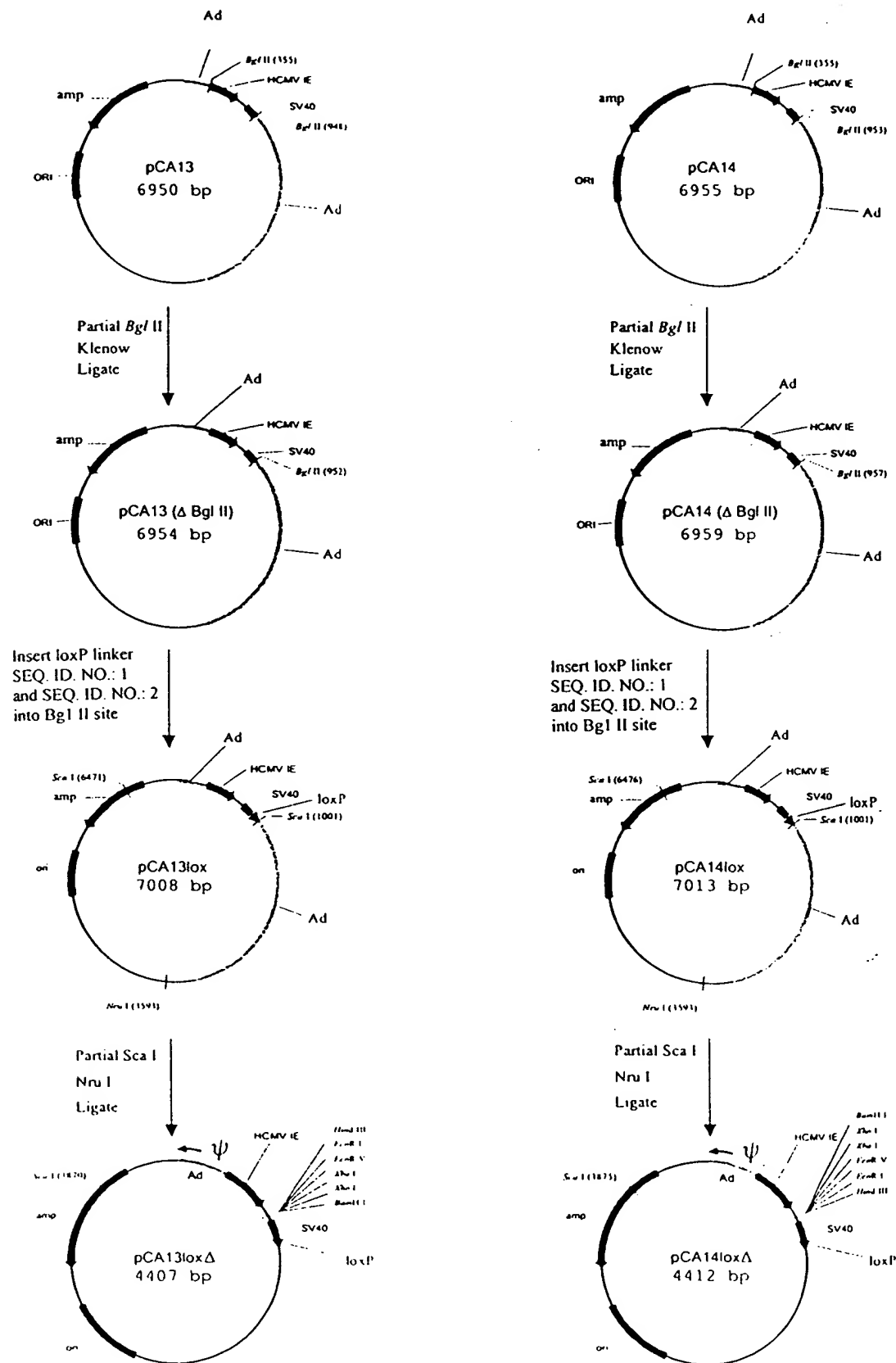


Figure 7

# CONSTRUCTION OF pCA36LOX and pCA36LOX $\Delta$ SHUTTLE PLASMIDS FOR RESCUE OF LACZ

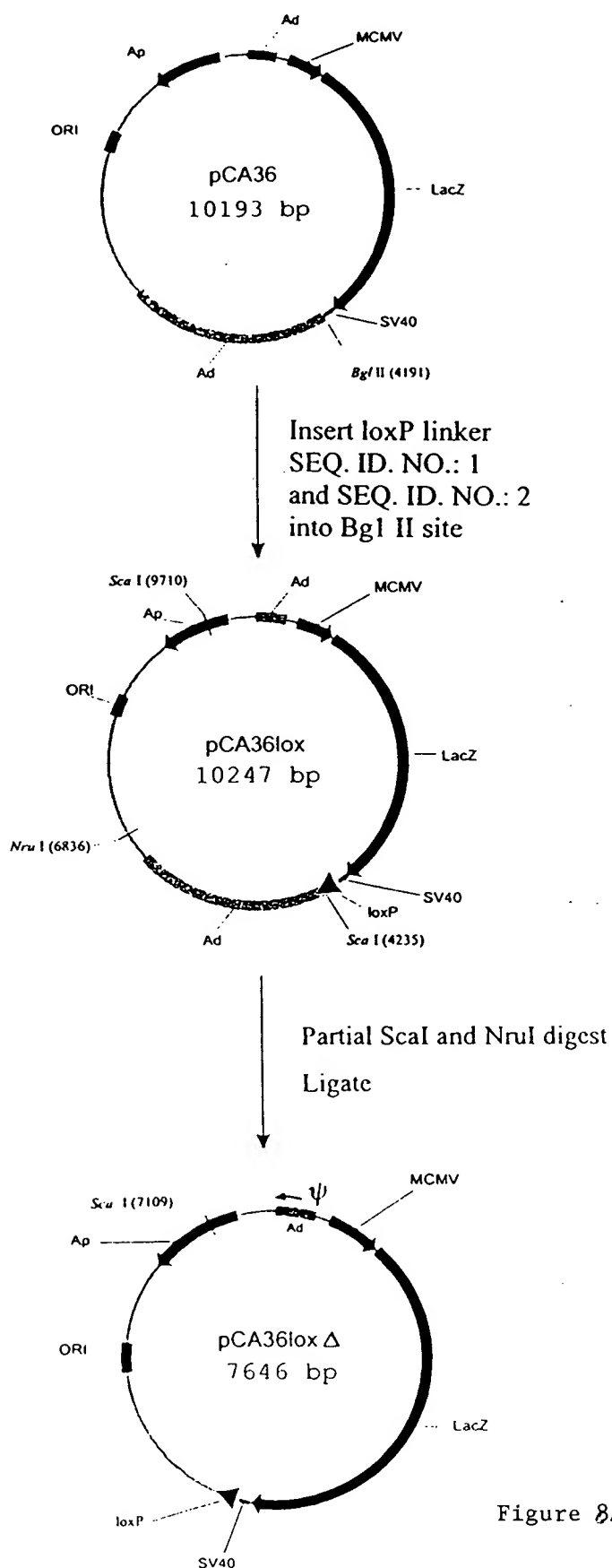


Figure 8A

4460660

**Cotransfection of 293Cre cells with AdLC8c DNA-TP and a shuttle plasmid containing a loxP site for generation of Ad expression vectors**

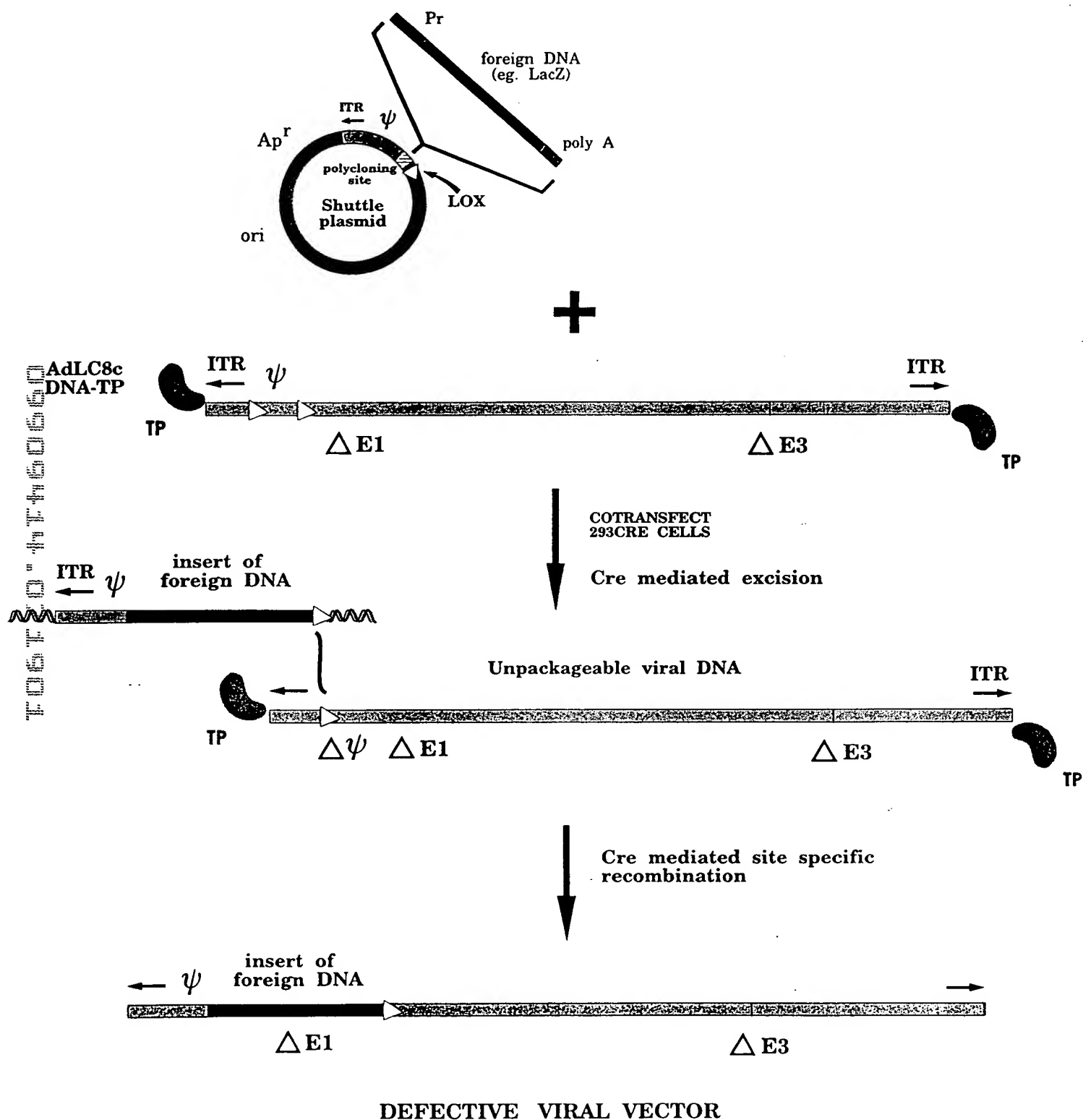


Figure 8B

**Cotransfection of 293Cre cells with restricted AdLC8c DNA-TP and loxP shuttle plasmid for generation of Ad expression vectors**

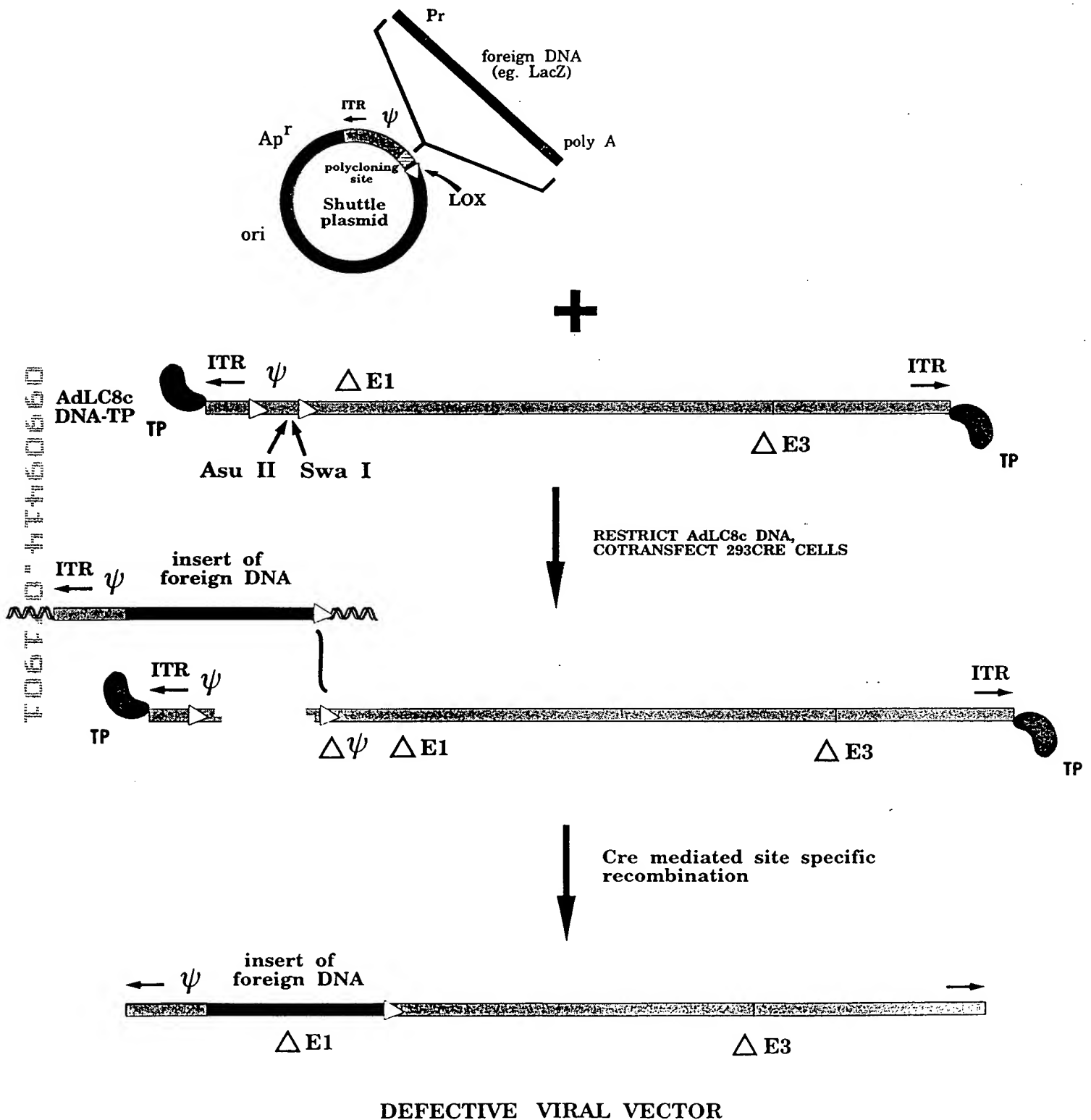


Figure 8C

# CONSTRUCTION OF SHUTTLE PLASMIDS EXPRESSING Cre

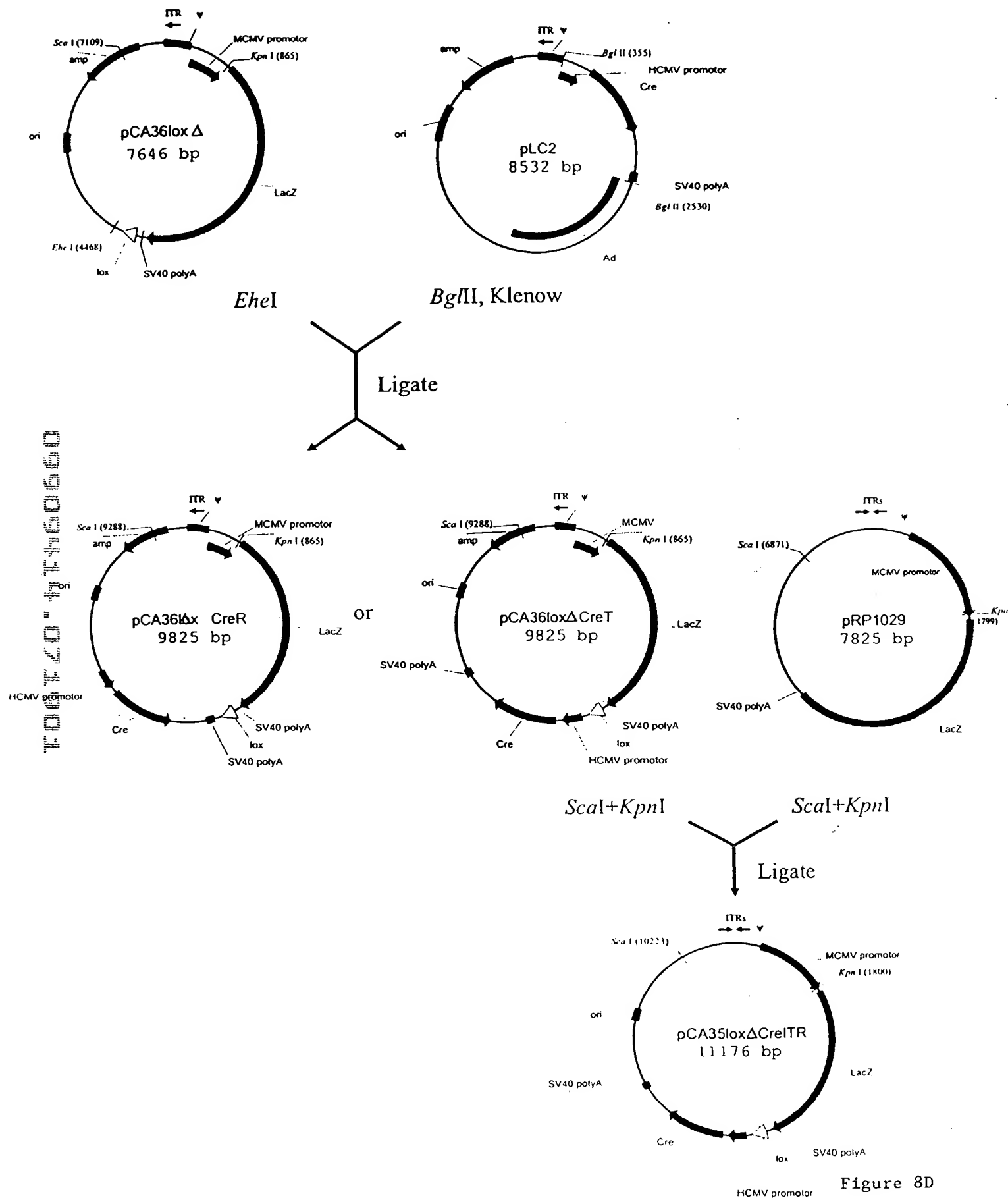
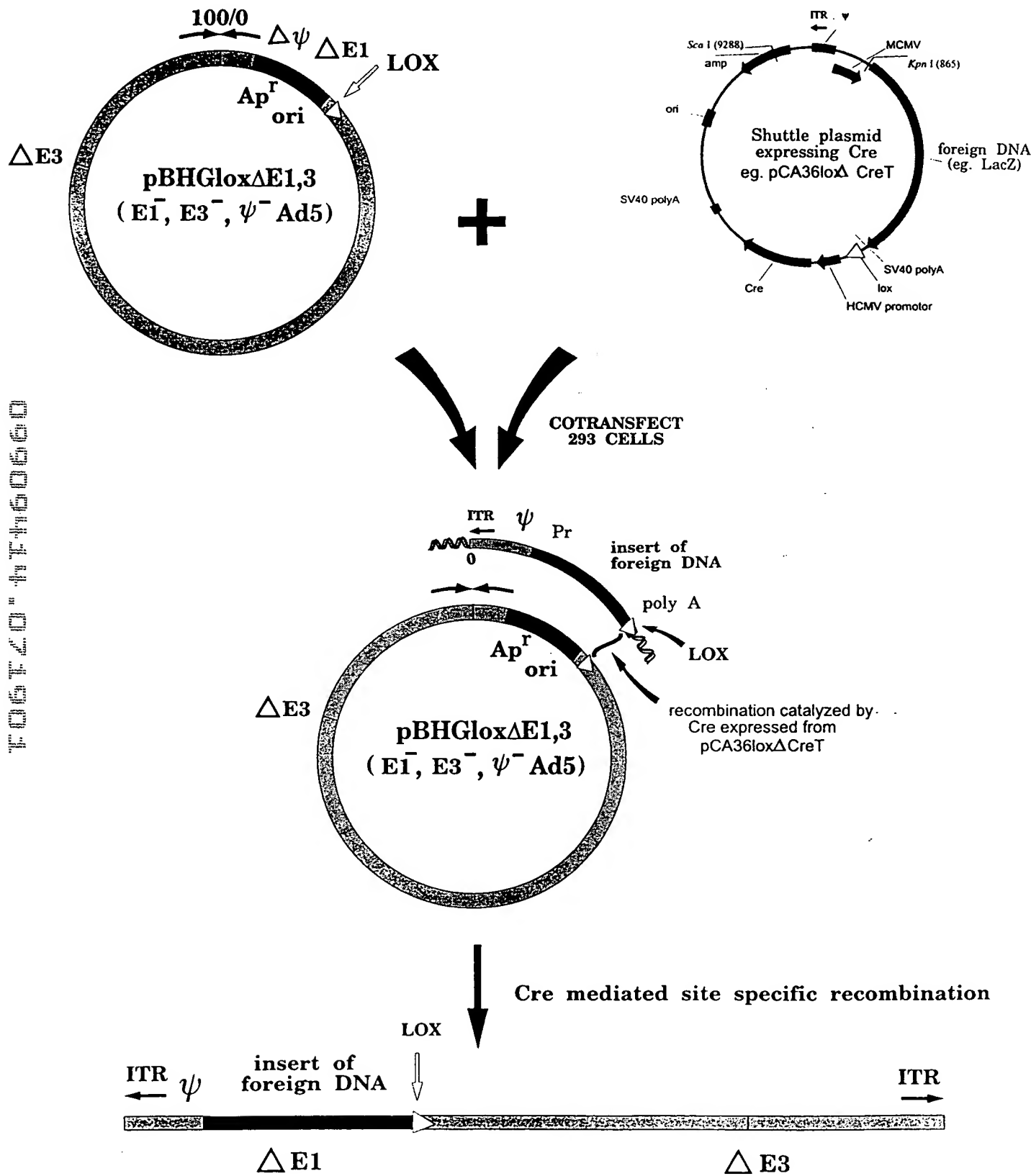


Figure 8D

# Cotransfection of 293 cells with pBHGloxΔE1,3 and a "Lox" shuttle plasmid expressing Cre for generation of Ad expression vectors



DEFECTIVE VIRAL VECTOR

Figure 8E

# CONSTRUCTION OF Ad GENOMIC PLASMID ENCODING CRE

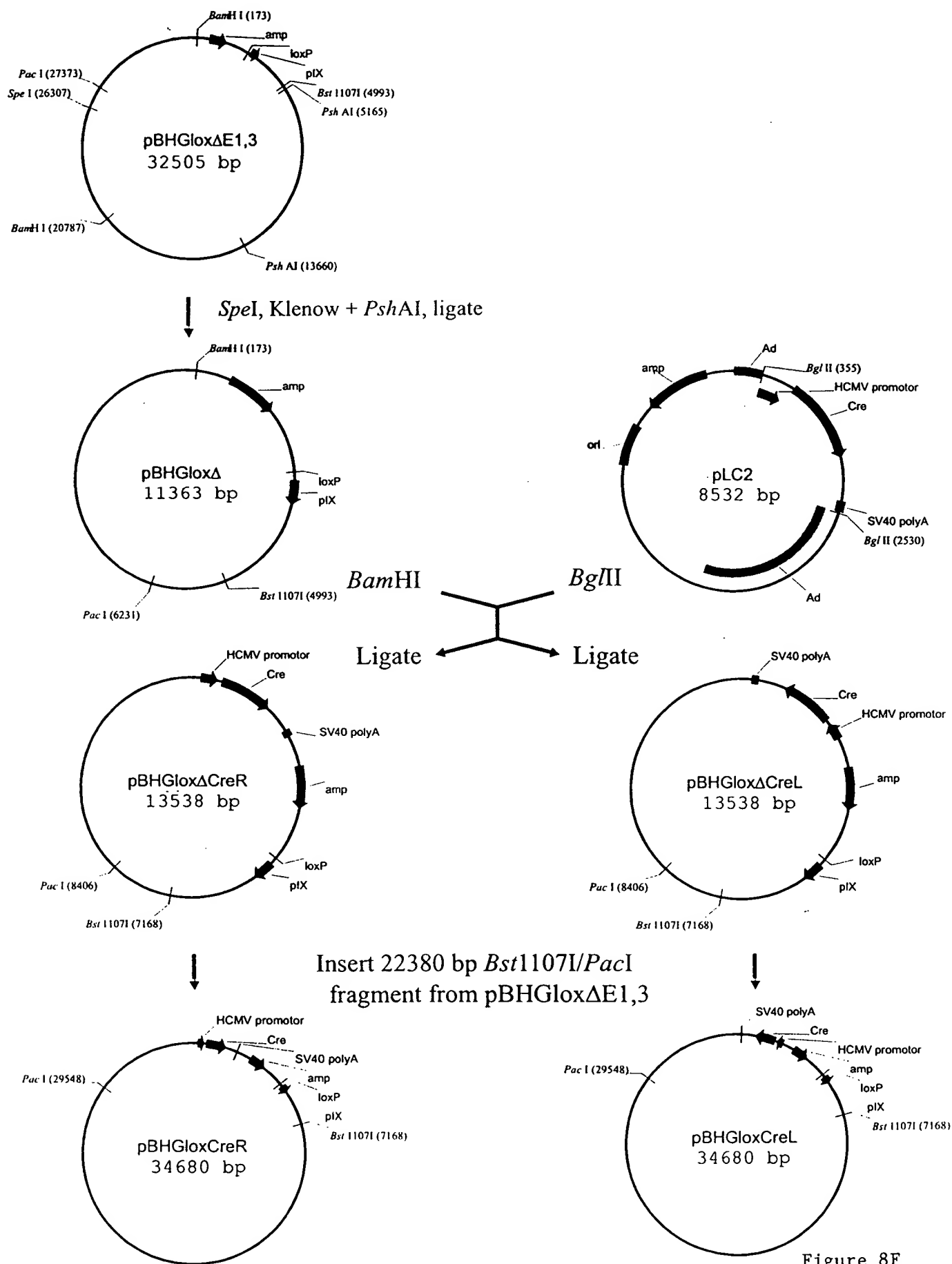
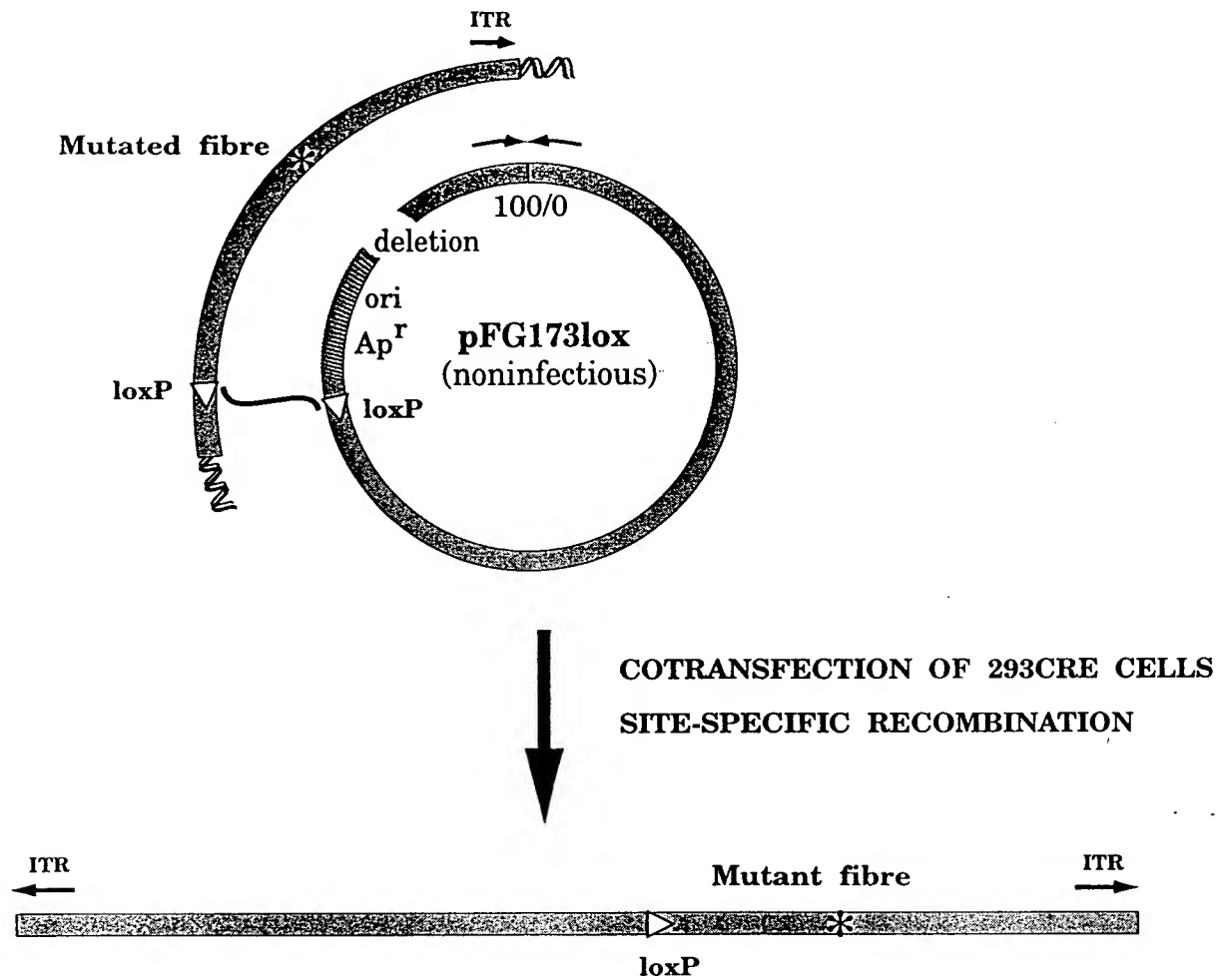


Figure 8F



# RESCUE OF FIBRE MUTATIONS USING CRE/LOX RECOMBINATION



NONDEFECTIVE ( $E1^+$ ) VIRUS WITH MUTATED FIBRE GENE

Figure 9A

# CONSTRUCTION OF pAB14lox $\Delta$

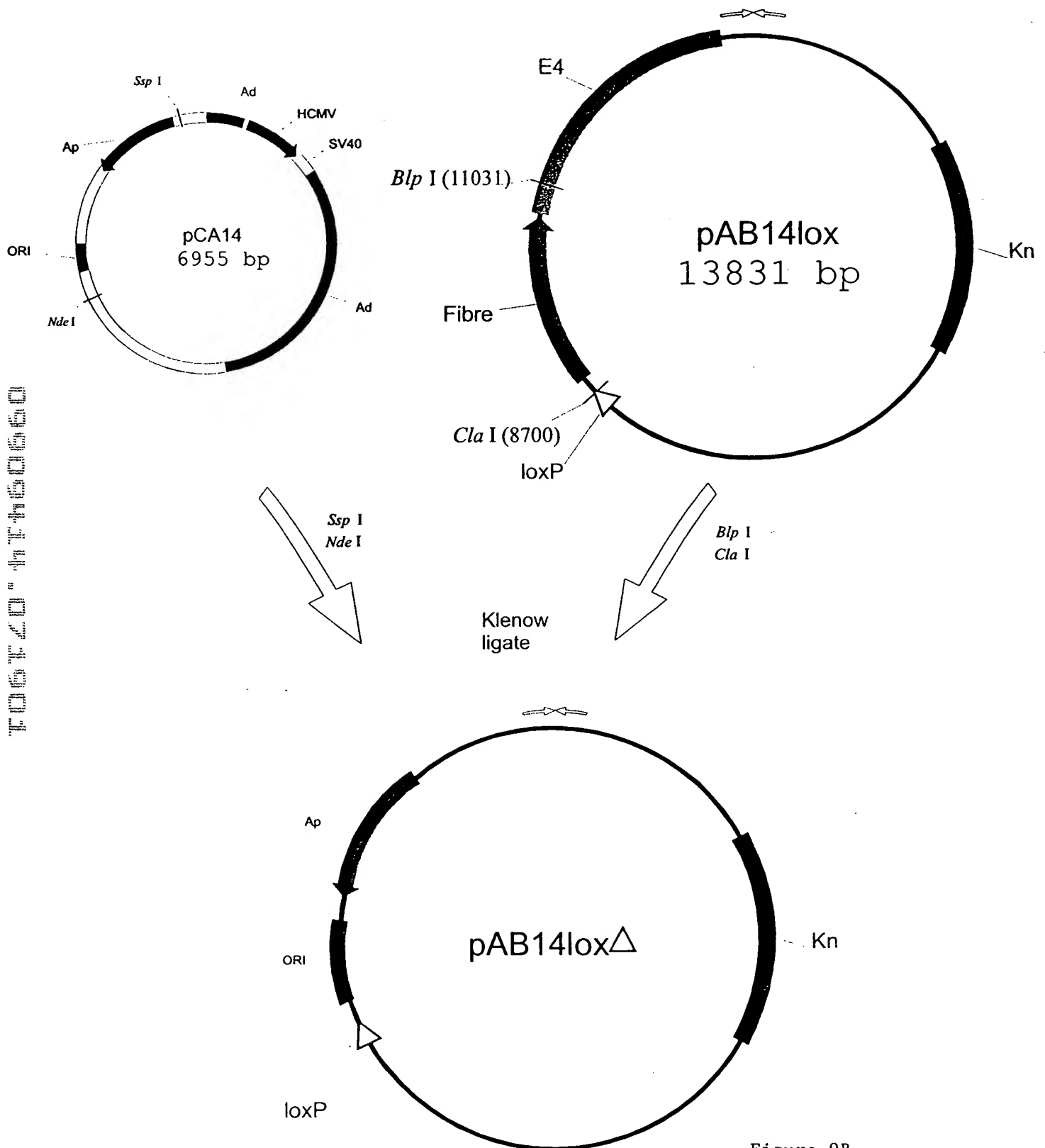
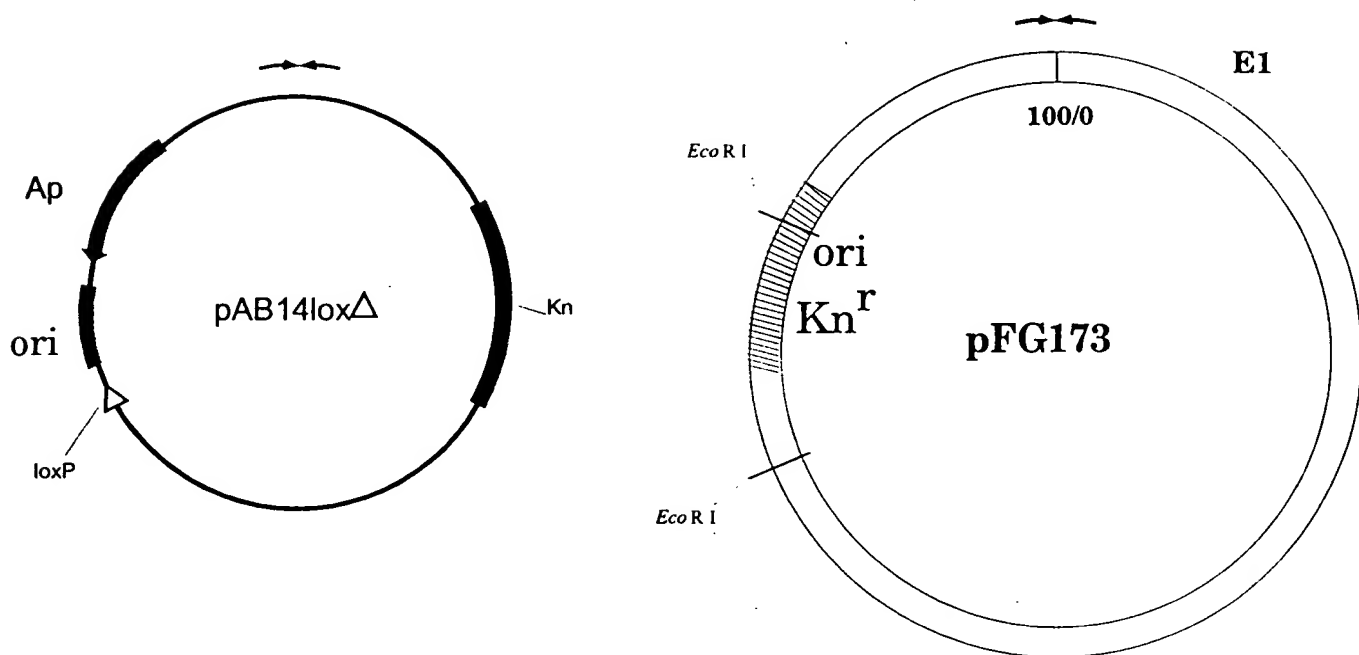


Figure 9B

# CONSTRUCTION OF pFG173lox



Restriction, transformation of *E. coli*,  
homologous recombination

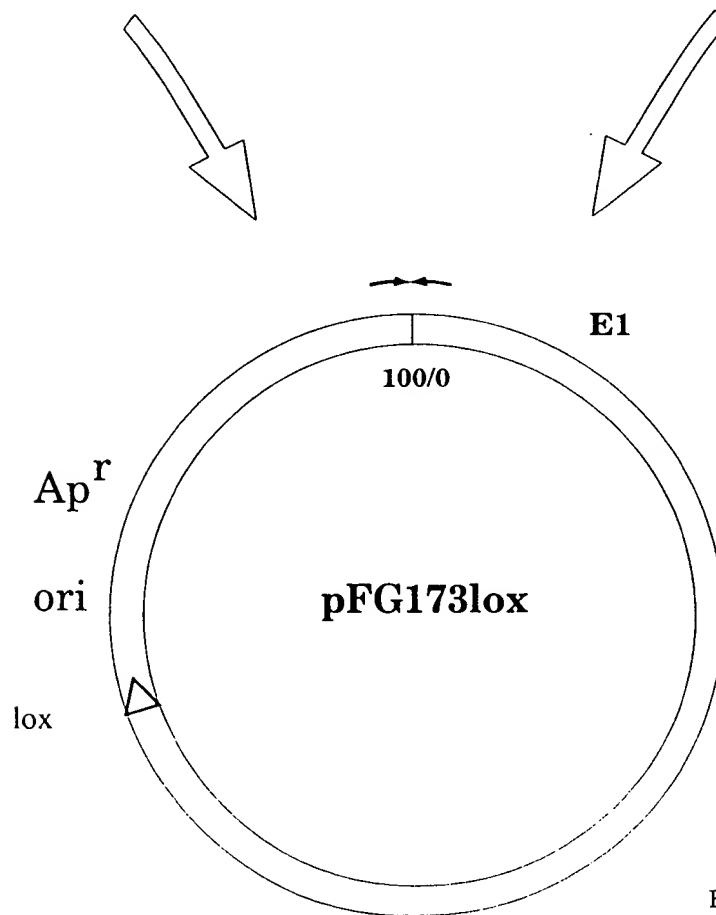


Figure 9C

096044-071904  
FOBT-20-4T60660

# CONSTRUCTION OF pFG23dX1lox AND pFG23dX1loxc FOR RESCUE OF MUTANT FIBRE INTO AD VIRUS

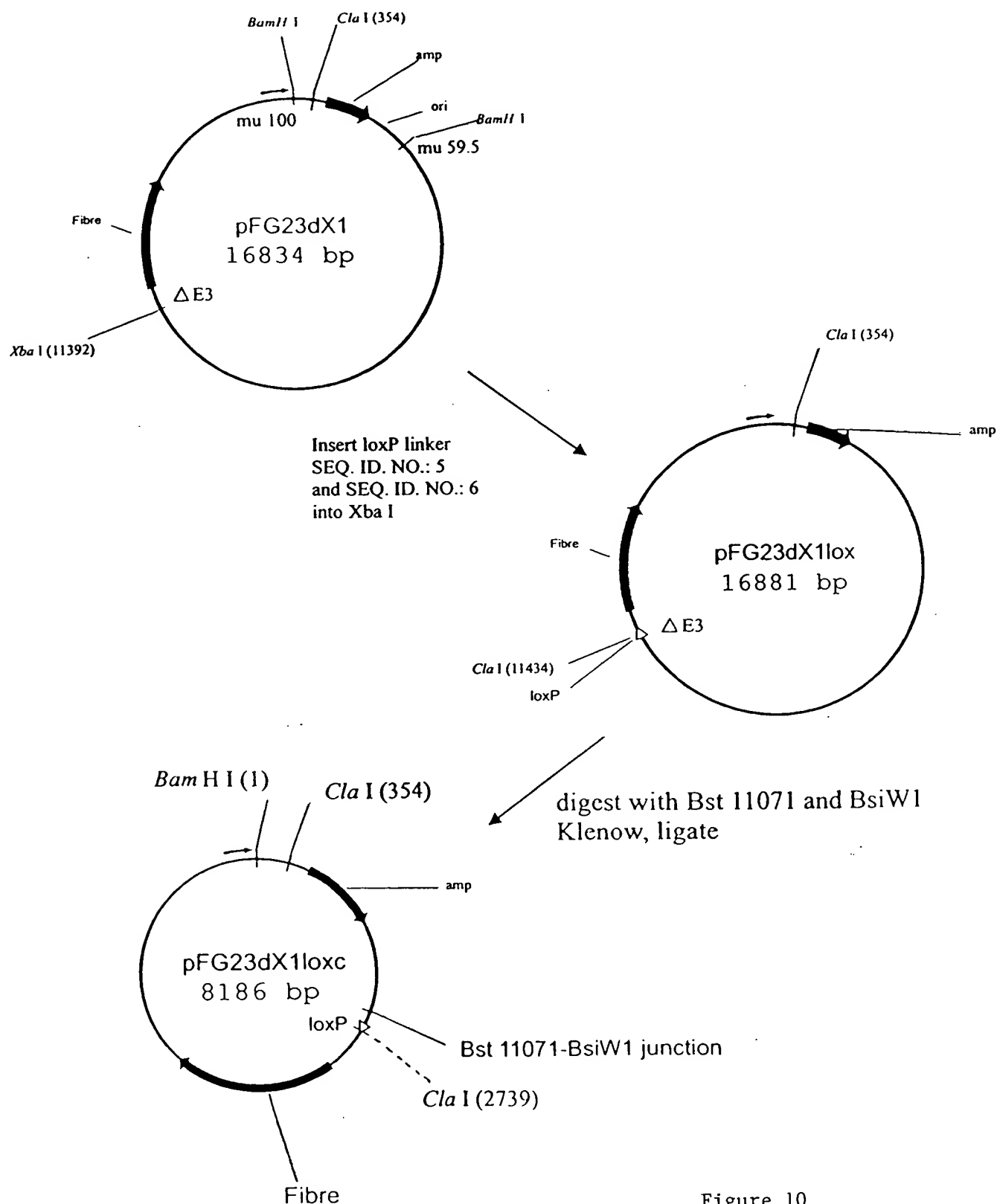


Figure 10

# A PLASMID FOR RESCUE OF A FOREIGN DNA INTO AD VIRUS

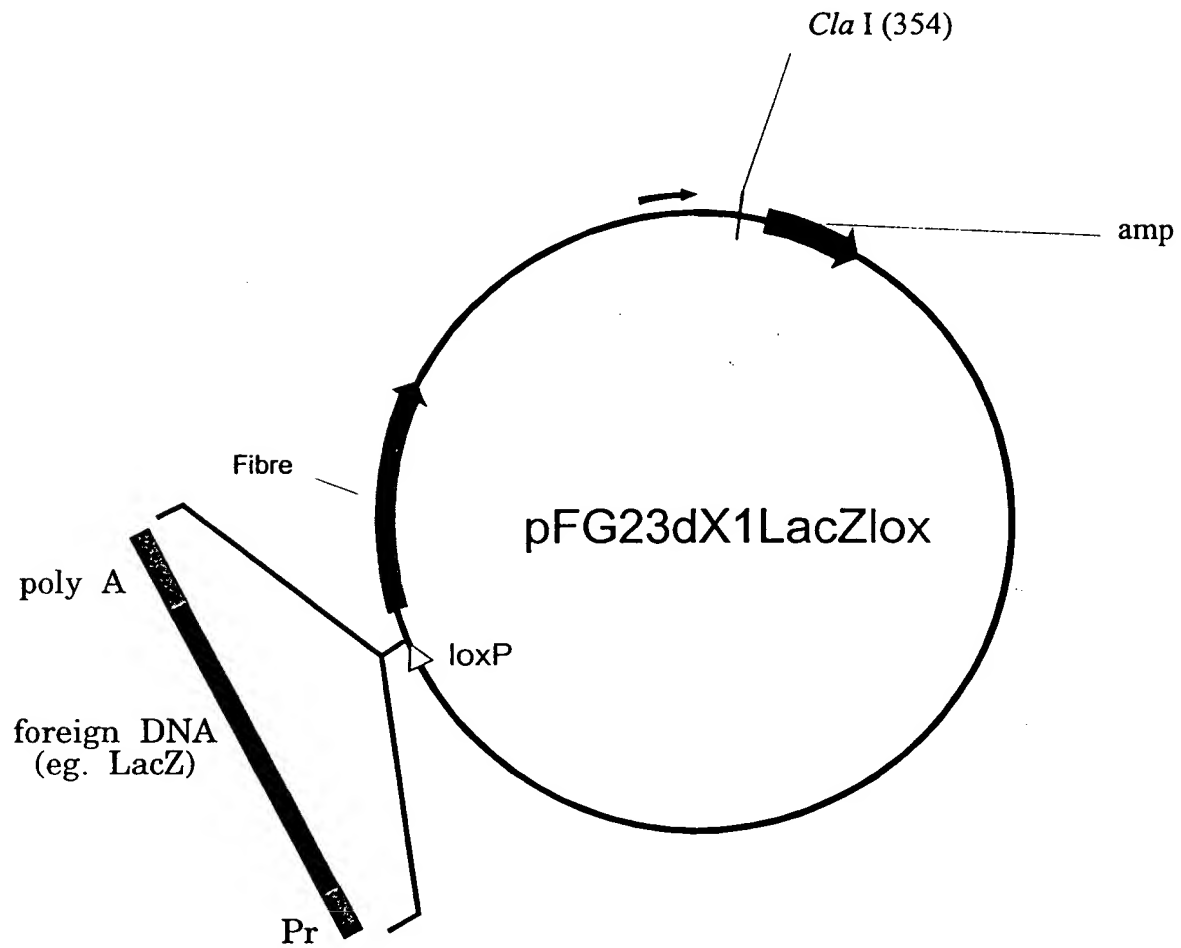
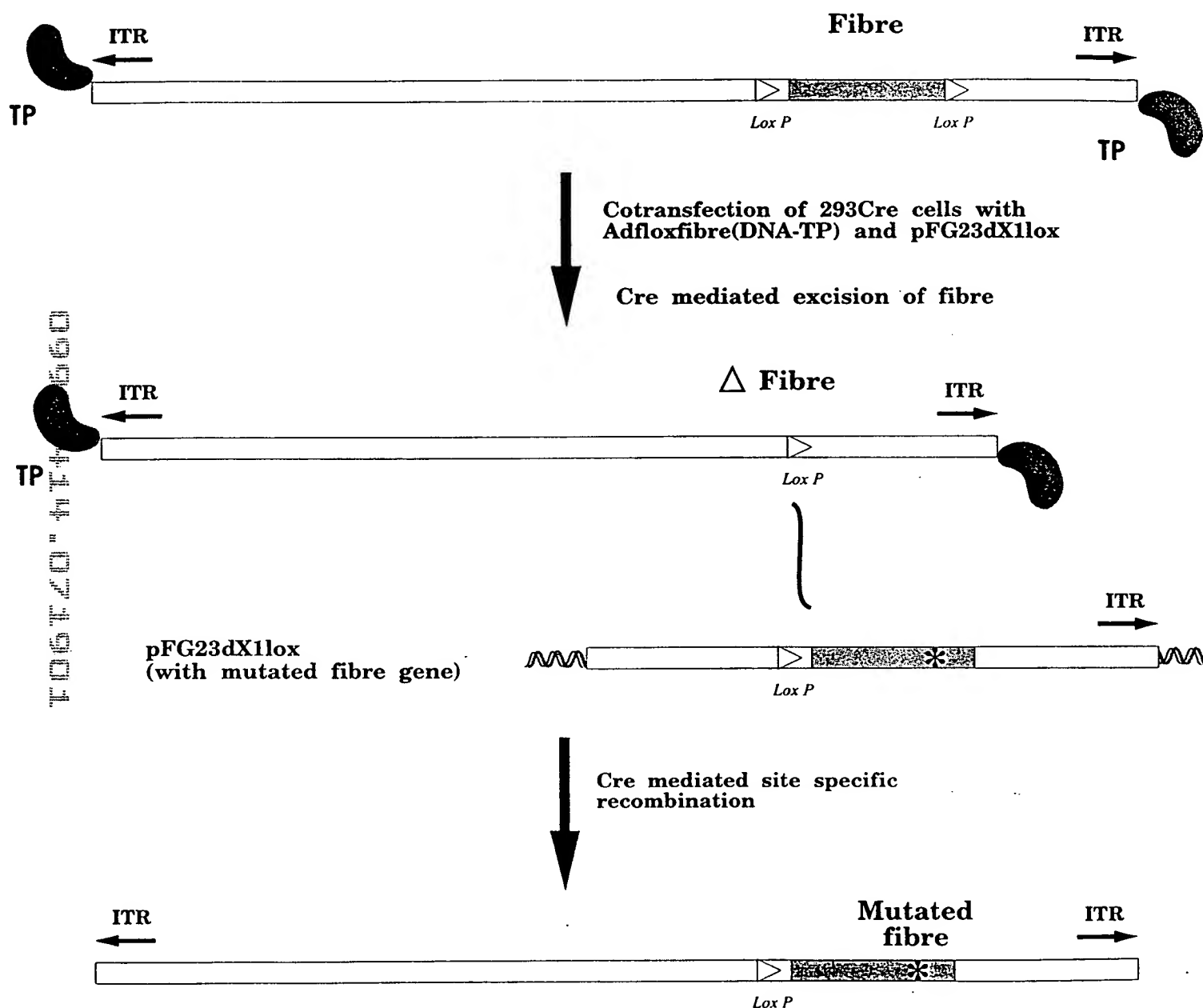


Figure 11

# Isolation of a virus containing a mutant fibre gene by Cre-lox recombination using DNA-TP and cotransfection



RECOMBINANT VIRUS CONTAINING A MUTATED FIBRE GENE

Figure 12

# Isolation of a virus containing a foreign DNA insert upstream of the fibre gene by Cre-lox recombination

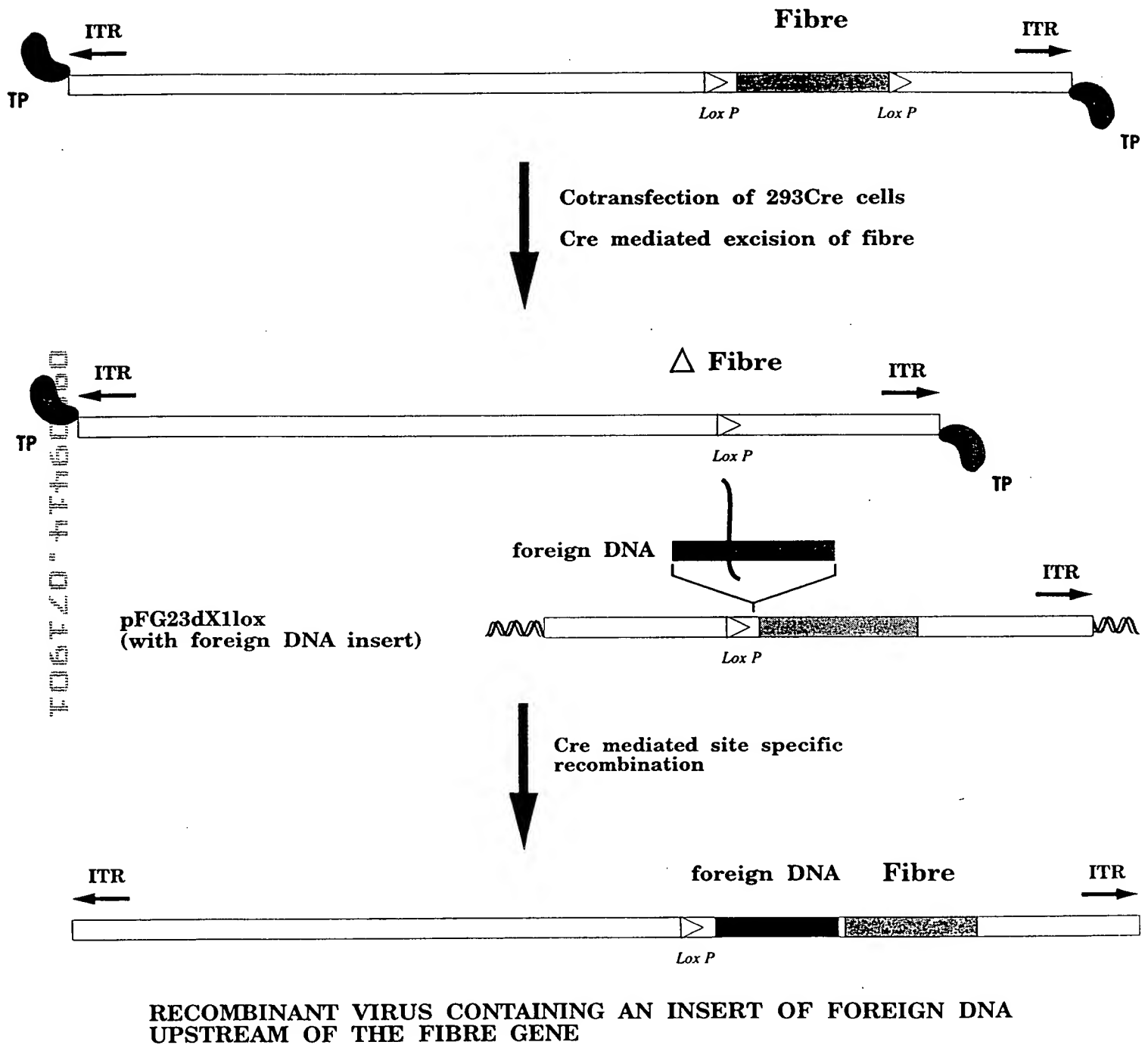


Figure 13

# CONSTRUCTION OF pAB14FL0X FOR ISOLATION OF AN AD VIRUS WITH A FLOXED FIBRE GENE

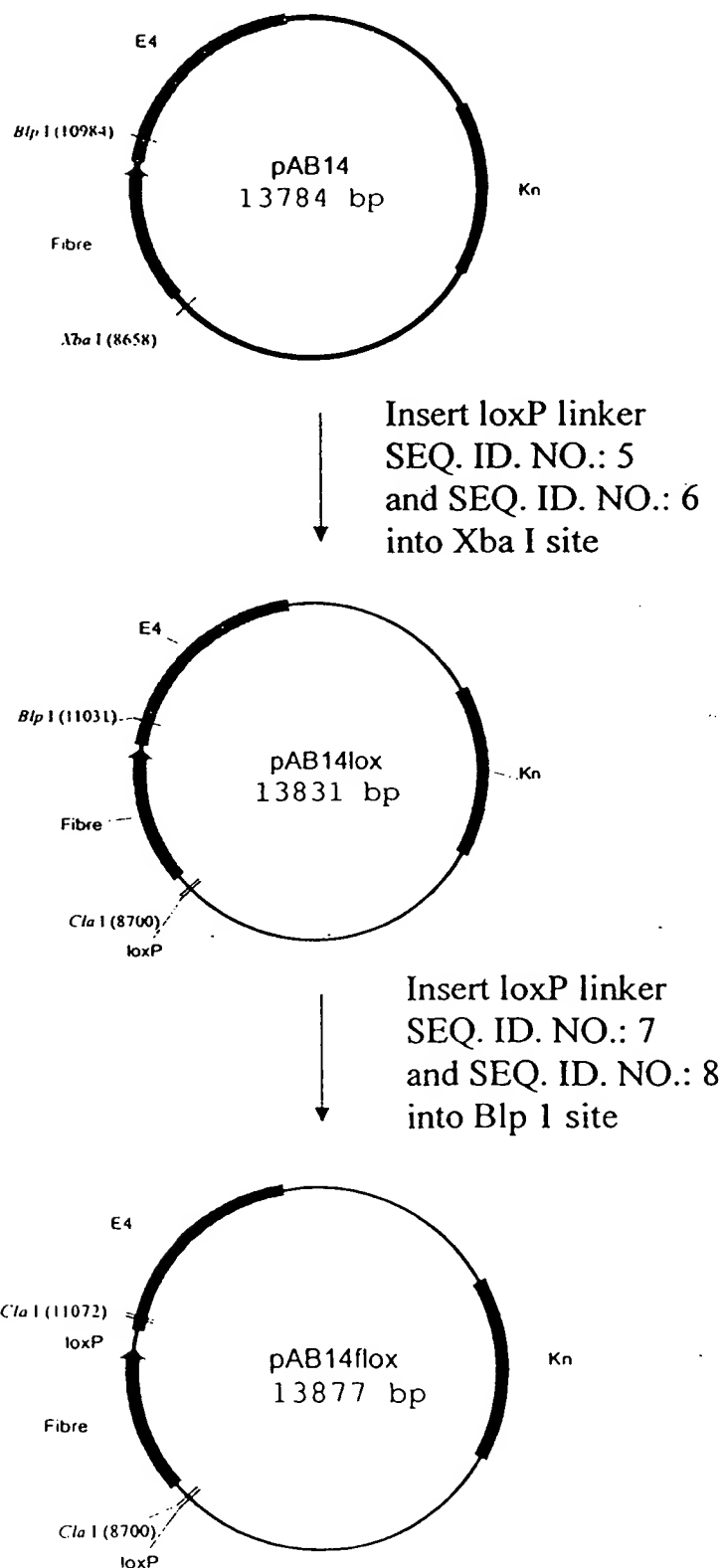


Figure 14



# Isolation of a virus containing a fibre gene with flanking lox P sites.

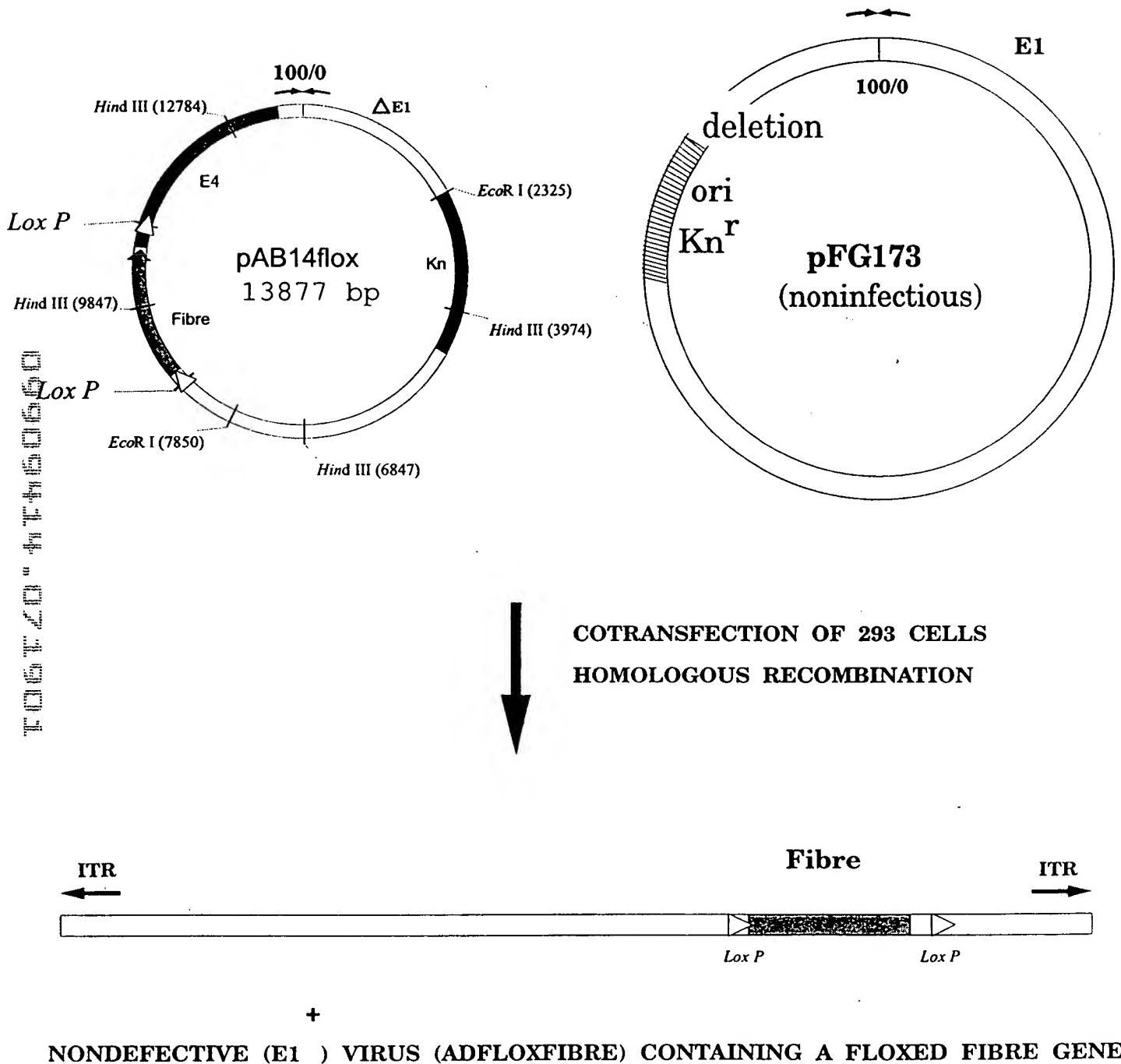


Figure 15